

Summary of Recently PROPOSED Area Source MACT/GACT Rules

November 7, 2007

Source Category 40 CFR 63 Subpart Date in Federal Register	Title V Permit Required or Exempt	Existing vs. New & Compliance Dates	Requirements	
Iron & Steel Foundries Area Sources ZZZZZ Proposed Sept 17, 2007 Cupola, EAF & EIF melting metallic (includes automobile) scrap. GACT & mgmt practices PM control of Metal HAP	exempt	Existing before 9/17/07 <u>New as of 9/17/07</u> Compliance due: Existing: w/i 1yr of Final Rule for 1, 2, 3 (all sources); w/i 2yr of initial classification for 4-8 (large sources). New: by date of Final or startup	- initial notice w/i 120 c-days of Final - initial classification based on 2008 metal melt production due 1 yr after Final Small (annual metal melt production of 10,000 tons or less) 1) Comply with P2 for metallic scrap 2) the removal of Hg switches (NVMSRP or get approval) 3) binder formulations (no methanol)	Large (> 10,000 an. metal melt) -same as Small, PLUS: 4) emissions limits for melting furnaces (existing: 0.8 lb/ton metal melted or 0.06 lb/ton total metal HAP; new: 0.1 lb/ton metal melted or 0.008 lb/ton total metal HAP) 5) O&M plan 6) Monitoring (CPMS or manual) 7) Performance test data due w/i 180 days of Final Rule 8) Recordkeeping/Reporting
Electric Arc Steelmaking Facilities Area Sources YYYYY Proposed Sept 20, 2007 All production of steel via EAF melting primarily ferrous scrap (but may include auto scrap). MACT (P2) & GACT (PM control of Metal HAP & scrap control)	REQ'd + CAM	Existing before 9/20/07 <u>New as of 9/20/07</u> Compliance due: Existing: w/i 6 mo of Final Rule (may request 18 mo extn for opacity equipmt install/modify) New: by date of Final or startup	Venturi scrubber or Baghouse REQ'd GACT: Small (<150,000 tpy of stainless or specialty steel ONLY) PM lmt of 0.8 lb/ton for <u>ea</u> APCD AND Opacity lmt of 6% (melt shop) ALL others (inc New & Existing) PM lmt of 0.0052 gr/dscf <u>ea</u> APCD AND Opacity lmt of 6% (melt shop)	MACT: comply w/P2 if use automobile scrap OR certify that don't use auto scrap GACT for scrap: restricted scrap OR another P2 plan 1) Performance test data due w/i 180 days of Final Rule 2) Recordkeeping/Reporting (ie. CAM)

<p>Paint Stripping & Misc Coatings Ops Area Sources</p> <p>HHHHHH Proposed Sept 17, 2007</p> <p>Paint stripping ops include MeCl (methylene chloride) - containing chemicals to remove paint & coatings.</p> <p>Plastic parts & products include application of coatings to misc parts/prods made of metal or plastic, or combos.</p> <p>Autobody refinishing includes application of coatings to motor vehicles and mobile equipment.</p> <p>Targets metal HAP (Cd, Cr, Pb, Mn, Ni) in coatings during application & curing</p> <p>GACTION</p>	<p>exempt</p>	<p>Existing before 9/17/07 <u>New as of 9/17/07</u> Compliance due: Existing: 2 yrs after date of Final Rule New: by date of Final Rule or startup</p> <p>Painter training: Existing: w/i 2yrs of Final New: w/i 60 days of hire or 60 days of Final</p> <p>Re-Certs every 5 yrs</p>	<p>- initial notice: Existing: w/i 1yr of Final Rule New: w/i 120 days of Final or startup</p> <p>- Notification of Compliance Status: Existing <u>stripper</u> using >150 gpy MeCl strippers, or Existing <u>coater</u>: w/i 2yr + 60days of Final New <u>stripper</u> using >150 gpy MeCl strippers, or New <u>coater</u>: w/i 120 days of Final or startup</p> <p>All Sources: 1) Recordkeeping/Reporting (must keep most current 2yrs of records ON-SITE, records beyond that can be off-site. Must keep records at least 5yrs)</p>	<p>Paint Stripping: 1) Mgmt practices to min MeCl ems 2) Maintain on-site copies of MeCl-stripper usage 3) if >150 gpy: develop plan to min MeCl-stripper usage & ems & keep plan on-site</p> <p>Surface Coating: 1) Training program required (w/5yr renewal) & owner must certify that both employees & contractors are trained 2) All spray-applied coating done w/HVLP gun(s) and in spray booth(s) designed to capture >98% overspray and maintain negative pressure a) vehicle booths must have full roof and 4 complete walls/curtains b) misc/vehicle subassembly booths must have full roof & at least 3 complete walls/curtains 4) All gun cleaning w/non-HAP cleaners OR in fully enclosed cleaner</p>
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<p>Clay Ceramics Mfg Area Sources</p> <p>RRRRRR Proposed Sept 20, 2007</p> <p>GACT</p>	<p>exempt</p>	<p>Existing before 9/20/07 <u>New as of 9/20/07</u> Compliance due: Existing: by date of Final Rule New: by date of Final Rule or startup</p>	<p>- initial notice w/i 120 c-day of Final</p> <p>- Notification of Compliance Status due 120 days of Final (if wet spray glaze ops w/APCD, must do initial visual inspection of APCD w/i 60days of Final & include in Notification).</p> <p>1) Initial APCD inspection 2) Periodic inspections 3) Recordkeeping/Reporting</p>	<p>Glazed ceramic kiln: maintain peak temp <2800F, AND, use natural gas/equiv OR electric powered kiln.</p> <p>Atomized Glaze Spray Booth using > 250 tpy of wet glazes: either route ems thru APCD, OR, use glazes w/<1% (wgt) metal HAP.</p> <p>Atomized Glaze Spray Booth using < 250 tpy of wet glazes: employ waste minimization OR comply w/req for >250 tpy booths.</p>
<p>Glass Mfg, Area Sources</p> <p>SSSSSS Proposed Sept 20, 2007</p> <p>Glass melting furnace prodctn >50 tpy & charged w/raw mtl's w/As, Cd, Cr, Pb, Mn, Ni.</p> <p>GACT</p>	<p>Already REQ'd since mjr for PM +/- NOx</p>	<p>Existing before 9/20/07 <u>New as of 9/20/07</u> Compliance due: Existing: w/i 2yr of Final Rule (may request 1yr extn for APCD install). New: by date of Final Rule or startup.</p>	<p>-initial notice</p> <p>If startup B4 Final: 120 c-days of Final If startup >Final: 120-c-days of when become subject</p> <p>- Notification of Compliance Status</p> <p>If Performance Test REQ'd: due 60 c-days after P-Test is complete (& include P-Test data)</p> <p>If prev P-Test data used: due by appropriate compliance date at left.</p>	<p>Emission Limits:</p> <p>a. The 3-hour block average production-based PM mass emission rate must not exceed 0.2 pounds per ton (lb/ton) of glass produced; OR</p> <p>b. The 3-hour block average production-based metal HAP mass emission rate must not exceed 0.02 lb/ton of glass produced.</p> <p>1) Performance Test for each furnace due 180 days after compliance date 2) Demonstrate initial compliance of fabric filter or ESP w/inspections 3) Fabric filters must have BLDS & monitoring plan for BLDS 4) ESP must have CPMS 5) Other APCDs must have approved monitoring plan(s) 6) Monitoring & Recordkeeping/Reporting</p>

<p>Secondary Nonferrous Metals Processing Area Sources</p> <p>TTTTTT Proposed Sept 20, 2007</p> <p>Zinc: all crushing & screening ops Nonferrous Mtls: all furnace melting ops</p> <p>GACT</p>	<p>exempt</p>	<p>Existing before 9/20/07 <u>New as of 9/20/07</u> Compliance due: Existing: by date of Final Rule New: by date of Final Rule or startup</p>	<p>- initial notice w/i 120 c-day of Final</p> <p>- Notification of Compliance Status w/i 120 days of Final (must do initial visual inspection of APCD w/i 60days of Final & include w/initial inspection, BLDS, & control efficiencies certifications in this Notification).</p>	<p>Existing must use fabric filter or a baghouse w/min 99.0% efficiency New must use fabric filter or a baghouse w/min 99.5% efficiency</p> <p>1) Performance Test due 180 days after compliance date 2) Demonstrate initial compliance of ea baghouse w/inspections 3) Periodic inspections/mtc or 30-minute Method 22 VE test (immed corrective action if VE test fails) 4) Baghouse(s) must have BLDS & monitoring plan for BLDS 5) Monitoring & Recordkeeping/Reporting</p>
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Notes:

Final or Final Rule	Date the Final Rule for this standard is published in the Federal Register
APCD	Air pollution control device
P2	Pollution prevention
GACT	Generally available control technology {CAA 112(d)(5)}
MACT	Maximum achievable control technology {CAA 112(d)(2) and 112(d)(3)}
EAF	Electric arc furnace
EIF	Electric induction furnace
Hg	Mercury
CAM	Compliance assurance monitoring
MeCl	Methylene chloride
HVLP	High-volume, low-pressure
ESP	Electrostatic precipitator
BLDS	Bag leak detection system
CPMS	Continuous parameter monitoring systems
P-Test	Performance test
VE test	Visible emissions test
ems	Emissions